

## CD22 recombinant antibody

Anti-CD22 [hL22 (Epratuzumab)]

|                              |                                                              |                                                                              |
|------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA71979</b> | REACTIVITY<br><b>Human, Rhesus Monkey, Cynomolgus Monkey</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay, Immunoprecipitation</b> |
|------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

CD22; Monoclonal Recombinant Antibody; Anti-CD22 [hL22 (Epratuzumab)]; B-cell receptor CD22; B-lymphocyte cell adhesion molecule; BL-CAM; Sialic acid-binding Ig-like lectin 2; Siglec-2; T-cell surface antigen Leu-14; CD22 recombinant antibody

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                            | Human, Rhesus Monkey, Cynomolgus Monkey                                                                                                                                                                                                                                                                             |
| Clonality                                             | Monoclonal                                                                                                                                                                                                                                                                                                          |
| Isotype                                               | Human IgG1, kappa                                                                                                                                                                                                                                                                                                   |
| Clone Number                                          | hL22 (Epratuzumab)                                                                                                                                                                                                                                                                                                  |
| Specificity                                           | This antibody is specific for the 3rd Ig-like domain of human CD22 (epitope B), a cell surface glycoprotein present on mature B-cells and on many types of malignant B-cells                                                                                                                                        |
| Purity/Purification                                   | Protein A Affinity Purified                                                                                                                                                                                                                                                                                         |
| Form/Format                                           | PBS with 0.02% Proclin 300.                                                                                                                                                                                                                                                                                         |
| Concentration                                         | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                             |
| Sequence Length                                       | 40                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for CD22 recombinant antibody | FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), Blocking                                                                                                                                                                                                                                                       |
| Immunogen                                             | This antibody was prepared by the humanization of LL2 (EPB-2), a murine anti-CD22 IgG2a raised against Raji Burkitt lymphoma cells. Murine sequences comprise 5-10% of the molecule, with the remainder being human framework sequences, which greatly reduces the potential for immunogenicity (Traczewski, 2010). |
| Publication Note                                      | Pawlak-Byczkowska et al (1989) describes the use of LL2 (EPB-2) in IHC analysis to stain malignant lymphoma tissue sections. Leung et al (1995) describes the generation of a humanized LL2 antibody.                                                                                                               |
| Preparation and Storage                               | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.                                                                                                                                                                                                                                    |

### ADDITIONAL INFORMATION

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|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CD22 recombinant antibody | Recombinant monoclonal antibody to CD22. Manufactured using Recombinant Platform with variable regions (i.e. specificity) from the hybridoma hL22 (Epratuzumab). |
| Product Categories/Family for CD22 recombinant antibody   | <a href="#">Oncology</a> ; <a href="#">Autoimmunity</a> ; <a href="#">Biosimilar</a> ; <a href="#">Humanized Antibodies</a>                                      |
| References                                                | Pawlak-Byczkowska et al., Leung et al. Cancer research, 15 August 1989, Vol.49(16), pp.4568-77 & Molecular Immunology, 1995, Vol.32(17), pp.1413-1427            |

### NCBI AND UNIPROT INFORMATION

|             |                         |
|-------------|-------------------------|
| NCBI GI #   | <a href="#">4126455</a> |
| NCBI GeneID | <a href="#">933</a>     |

|                                  |                           |
|----------------------------------|---------------------------|
| NCBI Official Full Name          | CD22, partial             |
| NCBI Official Synonym Full Names | CD22 molecule             |
| NCBI Official Symbol             | CD22                      |
| NCBI Official Synonym Symbols    | SIGLEC2; SIGLEC-2         |
| NCBI Protein Information         | B-cell receptor CD22      |
| UniProt Protein Name             | B-cell receptor CD22      |
| UniProt Gene Name                | <b>CD22</b>               |
| UniProt Synonym Gene Names       | SIGLEC2; BL-CAM; Siglec-2 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd22-recombinant-antibody-clone-hl22-epratuzumab-flow-cytometry-immunoprecipitation-elisa/71979>